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TITLE: Manufacture of antibacterial polyamide fiber and their blends

PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd., Japan

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- AB **Polyamide fibers** and their blends are treated with mixts. containing an anionic **phenol** compound (I) and an antibacterial agent (II) or first treated with II and then treated with I to give fabrics having washfast **antibacterial properties**. These fabrics are useful for sportswear, socks, and pantyhose. Thus, dyed nylon 66 jersey was treated with a dispersion containing 5-chloro-2-(2,4-dichlorophenoxy)**phenol** [3380-34-5] and Hifix GM [89338-67-0] (anionic **phenol** compound). The treated fabric showed good **antibacterial properties** even after 20 washings.
- ST antibacterial polyamide fiber; anionic **phenol** compd polyamide treatment; washfastness antibacterial polyamide fiber; nylon fiber antibacterial washfast; chlorodichlorophenoxyphenol antibacterial agent; sportswear nylon antibacterial; sock nylon antibacterial; pantyhose nylon antibacterial